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09/539,193	03/30/2000	Roger K. Brooks	19838-000830US	8635

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EXAMINER

LAFORGIA, CHRISTIAN A

ART UNIT PAPER NUMBER

2155

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5

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/539,193

Applicant(s)

BROOKS ET AL.

Examiner

Christian La Forgia

Art Unit

2155

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 15 April 2003.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-42 is/are pending in the application.
- 4a) Of the above claim(s) 6, 15 and 19-26 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-5, 7-14, 16-18 and 27-42 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 30 March 2000 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☒ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☒ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_.
- 4) ☐ Interview Summary (PTO-413) Paper No(s) \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

### DETAILED ACTION

1. The amendment filed on 15 April 2003 is noted and made of record.
2. Claims 1 through 42 are presented for examination.
3. Claims 6, 15, and 19 through 26 are cancelled, as per applicant's request.

### *Drawings*

4. The informal drawings filed in this application are acceptable for examination purposes.  
When the application is allowed, applicant will be required to submit new formal drawings.

5. Applicant is advised to employ the services of a competent patent draftsman outside the Office, as the U.S. Patent and Trademark Office no longer prepares new drawings. The corrected drawings are required in reply to the Office action to avoid abandonment of the application. The requirement for corrected drawings will not be held in abeyance.

### INFORMATION ON HOW TO EFFECT DRAWING CHANGES

#### 1. **Correction of Informalities -- 37 CFR 1.85**

New corrected drawings must be filed with the changes incorporated therein. Identifying indicia, if provided, should include the title of the invention, inventor's name, and application number, or docket number (if any) if an application number has not been assigned to the application. If this information is provided, it must be placed on the front of each sheet and centered within the top margin. If corrected drawings are required in a Notice of Allowability (PTOL-37), the new drawings **MUST** be filed within the **THREE MONTH** shortened statutory period set for reply in the "Notice of Allowability." Extensions of time may NOT be obtained under the provisions of 37 CFR 1.136 for filing the corrected drawings after the mailing of a Notice of Allowability. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsman.

#### 2. **Corrections other than Informalities Noted by Draftsman on form PTO-948.**

All changes to the drawings, other than informalities noted by the Draftsman, **MUST** be made in the same manner as above except that, normally, a highlighted (preferably red ink) sketch of the changes to be incorporated into the new drawings **MUST** be approved by the examiner before the application will be allowed. No changes will be permitted to

be made, other than correction of informalities, unless the examiner has approved the proposed changes.

### **Timing of Corrections**

Applicant is required to submit acceptable corrected drawings within the time period set in the Office action. See 37 CFR 1.185(a). Failure to take corrective action within the set (or extended) period will result in **ABANDONMENT** of the application.

### ***Specification***

6. The attempt to incorporate subject matter into this application by reference to U.S. Patent Application Serial No. 09/539,193 (Attorney Docket Number 19838-000830) is improper because it is referring to the instant application.

7. The use of the trademark Microsoft, Real Networks, Athlon, Pentium III, Windows CE, Palm OS, Palm VII, Windows NT, Intel, PII (aka Pentium II), and Win98 (aka Windows 98) has been noted in this application. It should be capitalized wherever it appears and be accompanied by the generic terminology.

8. Although the use of trademarks is permissible in patent applications, the proprietary nature of the marks should be respected and every effort made to prevent their use in any manner which might adversely affect their validity as trademarks.

### ***Claim Rejections - 35 USC § 102***

9. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

10. Claims 1, 4, 5, 7 through 14, 16 through 18, 27, and 30 through 42 are rejected under 35 U.S.C. 102(e) as being anticipated by United States Patent No. 6,043,837 to Driscoll, Jr. et al. (hereinafter Driscoll).

11. As per claim 1, Driscoll teaches a system for transferring real time video information from a source device to one of a plurality of output devices, the system comprising:

12. an image capturing device for the acquiring of video information (Figures 1, 2a, 2b, 4 [block 405], 8 [blocks 810, 820], 9; column 2, line 48 to column 3, line 33), the image capturing device comprising:

a processor (Figures 1, 2a, 2b, 4 [block 405], 8 [blocks 810, 820], 9; column 2, line 48 to column 3, line 33; inherent to a panoramic camera, see United States Patent No. 6,192,196);

a graphics module coupled to the processor (Figures 1, 2a, 2b, 4 [block 405], 8 [blocks 810, 820], 9; column 2, line 48 to column 3, line 33; inherent to a panoramic camera, see United States Patent No. 6,192,196);

a packetizing portion coupled to the processor (Figures 1, 2a, 2b, 4 [block 402], 8 [blocks 810, 820], 9; column 2, line 48 to column 3, line 33);

the packetizing portion being adapted to convert the video information into a packetized stream of information (Figures 1, 2a, 2b, 4 [block 402], 8 [blocks 810, 820], 9; column 2, line 48 to column 3, line 33);

the packetized stream of information being in a first format (Figures 1, 2a, 2b, 4 [block 402], 8 [blocks 810, 820], 9; column 2, line 48 to column 3, line 33; column 3, line 55 to column 4, line 54); and,

an output device coupled to the processor for transferring the packetized stream of information to a network (Figures 1, 2a, 2b, 4 [block 402], 8 [blocks 810, 820], 9; column 3, lines 19-33);

13. a network gateway coupled to the image capturing device through the network, the network being coupled to a worldwide network of computers (Figures 4 [blocks 400, 490], 6; column 3, line 55 to column 4, line 16; column 4, lines 41-54), the network gateway comprising:

a gateway transcoding device for converting the packetized stream of information from the first format to a second format (Figures 4 [blocks 440, 443, 447], 6; column 3, line 63 to column 4, line 16; column 4, lines 18-54; column 5, lines 7-15);

the network gateway also comprising a packetizing portion for transferring the packetized streams of information in the second format to the network (Figures 4 [blocks 460, 463], 5, 6; column 4, lines 18-54); and,

14. a display device coupled to the network gateway through the world wide network of computers (Figures 4 [blocks 448, 495, 497], 5, 6; column 3, lines 35-53; column 4, lines 36-54), the display device comprising:

a display device for converting the packetized stream of information into video information for display (Figures 4 [blocks 448, 495, 497], 5, 6 [block 670], 7 [blocks 750, 760, 770], 8 [blocks 851, 840, 890], 9 [block 955]; column 3, lines 35-53; column 4, lines 36-54; column 7, lines 13-63);

the display device also comprising a display for displaying the video information on the display device (Figures 4 [blocks 448, 495, 497], 5, 6 [block 670], 7 [blocks 750,

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760, 770], 8 [blocks 851, 840, 890], 9 [block 955]; column 3, lines 35-53; column 4, lines 36-54; column 6, lines 16-60; column 7, lines 13-63).

15. a browsing device coupled to the processor (Figures 4 [blocks 448, 495, 497], 5, 6 [block 670], 7 [blocks 750, 760, 770], 8 [blocks 851, 840, 890], 9 [block 955]; column 3, lines 35-53; column 4, lines 36-54; column 6, lines 16-60; column 7, lines 13-63);

16. wherein the first format is selected from the group consisting of MPEG-1, MPEG-2, MPEG-4, H.263, M-JPEG, M-GIF, ACELP, MP1, MP2, MP3, and G.723.1 (column 2, line 53 to column 3, line 33; column 4, lines 18-54). See MPEP 904.01(b) for a further discussion on art related equivalents.

17. Concerning claim 4, Driscoll teaches wherein the display device is selected from one of a plurality of devices including a portable computer, a laptop computer, a personal digital assistant, a web appliance, a personal computer, and a workstation (Figure 4 [blocks 495, 497]; column 4, lines 18-54; column 6, lines 36-53).

18. With regards to claim 5, Driscoll teaches wherein the first format is different in type from the second format (Figures 4 [blocks 440, 443, 447], 6 [block 620]; column 4, lines 18-54; column 5, lines 16-29).

19. Regarding claim 7, Driscoll teaches wherein the second format is selected from the group consisting of MPEG-1, MPEG-2, MPEG-4, H.263, M-JPEG, M-GIF, ACELP, MP1, MP2, MP3,

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and G.723.1 (column 2, line 53 to column 3, line 33; column 4, lines 18-54). See MPEP 904.01(b) for a further discussion on art related equivalents.

20. Regarding claim 8, Driscoll teaches wherein the image capturing device is a video camera (Figure 4 [block 405]; column 3, lines 10-33. column 3, line 46 to column 4, line 54).

21. Concerning claim 9, Driscoll teaches wherein the network gateway comprises a lookup table (Figure 4 [blocks 440, 443, 447, 450, 453], 7 [block 730]; column 7, lines 13-27).

22. With regards to claim 10, Driscoll teaches wherein the image capturing device is coupled to a personal computer that is coupled via a wireless medium to the network (Figure 8 [block 810, 820, 890]; column 8, lines 18-45).

23. As per claim 11, Driscoll teaches a system for personal broadcasting to a mobile display device comprises:

24. a processor (Figure 4; column 3, lines 11-33); and,

25. a personal broadcasting server coupled to the processor and coupled to a wide area network of computers comprising:

an image retrieval portion configured to retrieve incoming video signals in a first format (Figure 4 [block 410]; column 3, lines 35-53);

a look up table coupled to the personal broadcasting web site for determining parameters for a second format for the incoming video signals (Figure 4 [blocks 440, 443, 447, 450, 453], 7 [block 730]; column 7, lines 13-27); and,

a transcoding module coupled to the image retrieval portion and to the look up table, the transcoding module configured to convert the incoming video signal from the first format into the second format in response to the parameters (Figures 4 [blocks 440, 443, 447], 6 [block 620]; column 4, lines 18-54; column 5, lines 16-29);

wherein the second format is more appropriate for the mobile display device than the first format (Figures 4 [blocks 440, 443, 447], 6 [block 620]; column 4, lines 18-54; column 5, lines 16-29);

wherein the first format is selected from the group consisting of MPEG-1, MPEG-2, MPEG-4, H.263, M-JPEG, M-GIF, ACELP, MP1, MP2, MP3, and G.723.1 (column 2, line 53 to column 3, line 33; column 4, lines 18-54). See MPEP 904.01(b) for a further discussion on art related equivalents.

26. Regarding claim 12, Driscoll teaches wherein the image retrieval portion is configured to receive the incoming video signals from a video camera (Figure 4 [block 405]; column 3, lines 10-33. column 3, line 46 to column 4, line 54).

27. With regards to claim 13, Driscoll teaches wherein the image retrieval portion is configured to receive the incoming video signals from a data file (Figure 4 [block 430]; column 3, line 35 to column 4, line 15).

28. Regarding claim 14, Driscoll teaches wherein the second format is compressed (column 4, lines 36-54).

29. Regarding claim 16, Driscoll teaches wherein the first format is selected from the group consisting of MPEG-1, MPEG-2, MPEG-4, H.263, M-JPEG, M-GIF, ACELP, MP1, MP2, MP3, and G.723.1 (column 2, line 53 to column 3, line 33; column 4, lines 18-54). See MPEP 904.01(b) for a further discussion on art related equivalents.

30. Concerning claim 17, Driscoll teaches wherein the parameters from the look up table includes pixel bit-depth data (Figure 4 [blocks 440, 443, 447, 450, 453], 7 [block 730]; column 7, lines 13 to column 8, line 15).

31. Regarding claim 18, Driscoll teaches wherein the parameters from the look up table includes frame rate data (Figure 4 [blocks 440, 443, 447, 450, 453], 7 [block 730]; column 7, lines 13 to column 8, line 15).

32. As per claim 27, Driscoll teaches a system for transferring real time video information from a source device to one of a plurality of output devices, the system comprising:

33. an image capturing device for the acquiring of video information (Figures 1, 2a, 2b, 4 [block 405], 8 [blocks 810, 820], 9; column 2, line 48 to column 3, line 33), the image capturing device comprising:

a processor (Figures 1, 2a, 2b, 4 [block 405], 8 [blocks 810, 820], 9; column 2, line 48 to column 3, line 33; inherent to a panoramic camera, see United States Patent No. 6,192,196);

a graphics module coupled to the processor (Figures 1, 2a, 2b, 4 [block 405], 8 [blocks 810, 820], 9; column 2, line 48 to column 3, line 33; inherent to a panoramic camera, see United States Patent No. 6,192,196);

a packetizing portion coupled to the processor (Figures 1, 2a, 2b, 4 [block 402], 8 [blocks 810, 820], 9; column 2, line 48 to column 3, line 33);

the packetizing portion being adapted to convert the video information into a packetized stream of information (Figures 1, 2a, 2b, 4 [block 402], 8 [blocks 810, 820], 9; column 2, line 48 to column 3, line 33);

the packetized stream of information being in a first format (Figures 1, 2a, 2b, 4 [block 402], 8 [blocks 810, 820], 9; column 2, line 48 to column 3, line 33; column 3, line 55 to column 4, line 54); and,

an output device coupled to the processor for transferring the packetized stream of information to a network (Figures 1, 2a, 2b, 4 [block 402], 8 [blocks 810, 820], 9; column 3, lines 19-33);

34. a network gateway coupled to the image capturing device through the network, the network being coupled to a worldwide network of computers (Figures 4 [blocks 400, 490], 6; column 3, line 55 to column 4, line 16; column 4, lines 41-54), the network gateway comprising:

a gateway transcoding device for converting the packetized stream of information from the first format to a second format (Figures 4 [blocks 440, 443, 447], 6; column 3, line 63 to column 4, line 16; column 4, lines 18-54; column 5, lines 7-15);

the network gateway also comprising a packetizing portion for transferring the packetized streams of information in the second format to the network (Figures 4 [blocks 460, 463], 5, 6; column 4, lines 18-54); and,

35. a display device coupled to the network gateway through the world wide network of computers (Figures 4 [blocks 448, 495, 497], 5, 6; column 3, lines 35-53; column 4, lines 36-54), the display device comprising:

a display device for converting the packetized stream of information into video information for display (Figures 4 [blocks 448, 495, 497], 5, 6 [block 670], 7 [blocks 750, 760, 770], 8 [blocks 851, 840, 890], 9 [block 955]; column 3, lines 35-53; column 4, lines 36-54; column 7, lines 13-63);

the display device also comprising a display for displaying the video information on the display device (Figures 4 [blocks 448, 495, 497], 5, 6 [block 670], 7 [blocks 750, 760, 770], 8 [blocks 851, 840, 890], 9 [block 955]; column 3, lines 35-53; column 4, lines 36-54; column 6, lines 16-60; column 7, lines 13-63).

36. a browsing device coupled to the processor (Figures 4 [blocks 448, 495, 497], 5, 6 [block 670], 7 [blocks 750, 760, 770], 8 [blocks 851, 840, 890], 9 [block 955]; column 3, lines 35-53; column 4, lines 36-54; column 6, lines 16-60; column 7, lines 13-63);

37. wherein the second format is selected from the group consisting of MPEG-1, MPEG-2, MPEG-4, H.263, M-JPEG, M-GIF, ACELP, MP1, MP2, MP3, and G.723.1 (column 2, line 53 to

column 3, line 33; column 4, lines 18-54). See MPEP 904.01(b) for a further discussion on art related equivalents.

38. Claims 30 and 31 are rejected for similar reasons as stated above.

39. Regarding claim 32, Driscoll teaches wherein the first format is selected from the group consisting of MPEG-1, MPEG-2, MPEG-4, H.263, M-JPEG, M-GIF, ACELP, MP1, MP2, MP3, and G.723.1 (column 2, line 53 to column 3, line 33; column 4, lines 18-54). See MPEP 904.01(b) for a further discussion on art related equivalents.

40. Claims 33 through 35 are rejected for similar reasons as stated above.

41. As per claim 36, Driscoll teaches a system for personal broadcasting to a mobile display device comprises:

42. a processor (Figure 4; column 3, lines 11-33); and,

43. a personal broadcasting server coupled to the processor and coupled to a wide area network of computers comprising:

an image retrieval portion configured to retrieve incoming video signals in a first format (Figure 4 [block 410]; column 3, lines 35-53);

a look up table coupled to the personal broadcasting web site for determining parameters for a second format for the incoming video signals (Figure 4 [blocks 440, 443, 447, 450, 453], 7 [block 730]; column 7, lines 13-27); and,

a transcoding module coupled to the image retrieval portion and to the look up table, the transcoding module configured to convert the incoming video signal from the first format into the second format in response to the parameters (Figures 4 [blocks 440, 443, 447], 6 [block 620]; column 4, lines 18-54; column 5, lines 16-29);

wherein the second format is more appropriate for the mobile display device than the first format (Figures 4 [blocks 440, 443, 447], 6 [block 620]; column 4, lines 18-54; column 5, lines 16-29);

wherein the second format is selected from the group consisting of MPEG-1, MPEG-2, MPEG-4, H.263, M-JPEG, M-GIF, ACELP, MP1, MP2, MP3, and G.723.1 (column 2, line 53 to column 3, line 33; column 4, lines 18-54). See MPEP 904.01(b) for a further discussion on art related equivalents.

44. Claims 37 through 39 are rejected for similar reasons as stated above.

45. Regarding claim 40, Driscoll teaches wherein the first format is selected from the group consisting of MPEG-1, MPEG-2, MPEG-4, H.263, M-JPEG, M-GIF, ACELP, MP1, MP2, MP3, and G.723.1 (column 2, line 53 to column 3, line 33; column 4, lines 18-54). See MPEP 904.01(b) for a further discussion on art related equivalents.

46. Claims 41 and 42 are rejected for similar reasons as stated above.

***Claim Rejections - 35 USC § 103***

47. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

48. Claims 2 and 28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Driscoll in lieu of obviousness.

49. Regarding claim 2, Driscoll does not teach wherein the packetized stream of information in the first format is compressed, but it would be obvious to one of ordinary skill in the art at the time the invention was made to compress the first formatted stream of data. One would be motivated to compress this stream of data as it would allow images to be transferred quickly, thus allowing converting and further rendering to be handled quicker. The motivation for this can explicitly be found in column 4, lines 19-33 of the Driscoll patent. See *In re Rose*, 220 F.2d 459, 463, 105 USPQ 237, 240 (CCPA 1955).

50. Claim 28 is rejected for similar reasons as stated above.

51. Claims 3 and 29 are rejected under 35 U.S.C. 103(a) as being unpatentable over Driscoll in view of United States Patent No. 5,923,384 to Enomoto et al., (hereinafter Enomoto).

52. With regards to claim 3, Driscoll does not teach wherein the display device is coupled to a wireless network, the wireless network being coupled to the worldwide network of computers.

53. Enomoto teaches wherein the display device is coupled to a wireless network, the wireless network being coupled to the worldwide network of computers (Figure 7 [blocks 50, 500]; column 15, lines 32-45). Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the server of Driscoll so that it incorporated the wireless capabilities of Enomoto ergo enabling wireless access. One would be motivated to modify the server because it would enable more users to access the system, as well as implement video conferencing, as seen in column 8 of Driscoll. See *In re Lindberg*, 194 F.2d 732, 735, 93 USPQ 23, 26 (CCPA 1952).

54. Claim 29 is rejected for similar reasons as stated above.

### ***Conclusion***

55. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

56. The following patents are cited to further show the state of the art with respect to a system for broadcasting information via a wide area network, such as:

United States Patent No. 6,037,991 to Thro et al., which is cited to show how to transmit video over a communication system.

United States Patent No. 6,064,437 to Phan et al., which is cited to show a method for transmitting video in a wireless network.

United States Patent No. 6,278,739 to Enomoto et al., which is cited to show a method to transmit audio and video in a wireless network.

United States Patent No. 6,219,089 to Driscoll, Jr. et al., which is cited to show how to broadcast video.

United States Patent No. 6,539,547 to Driscoll, Jr. et al., which is cited to show how to broadcast video.


57. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christian La Forgia whose telephone number is (703) 305-7704. The examiner can normally be reached on Monday thru Thursday 7-5.

58. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz Sheikh can be reached on (703) 305-9648. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 746-7240 for regular communications and (703) 746-7239 for After Final communications.

59. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

Christian LaForgia  
Patent Examiner  
Art Unit 2155

clf  
May 9, 2003

  
AYAZ SHEIKH  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100